

PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/623,543

DATE: 04/25/2001

TIME: 07:42:05

Input Set : A:\Redcl.app

Output Set: N:\CRF3\04252001\I623543.raw

ENTERED

3 <110> APPLICANT: ConjuChem, Inc.
 4 Beliveau, Richard
 5 Bridon, Dominique
 6 Rasamoelisololo, Michele
 7 Thibaudeau, Karen
 8 Huang, Xicai
 10 <120> TITLE OF INVENTION: Long Lasting Anti-Angiogenic Peptides
 12 <130> FILE REFERENCE: 2200
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/623,543
 C--> 15 <141> CURRENT FILING DATE: 2000-09-05
 17 <150> PRIOR APPLICATION NUMBER: 60/134,406
 18 <151> PRIOR FILING DATE: 1999-05-17
 20 <160> NUMBER OF SEQ ID NOS: 16
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 790
 26 <212> TYPE: PRT
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 35 1 5 10 15
 37 Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu Cys Ala Ala
 38 20 25 30
 40 Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe Gln Tyr His
 41 35 40 45
 43 Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser
 44 50 55 60
 46 Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr
 47 65 70 75 80
 49 Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg Gly Thr Ser
 50 85 90 95
 52 Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser Pro
 53 100 105 110
 55 His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu Glu
 56 115 120 125
 58 Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp Cys
 59 130 135 140
 61 Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys Asp Ile Leu Glu
 62 145 150 155 160
 64 Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly Lys
 65 165 170 175
 67 Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser Gln
 68 180 185 190
 70 Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn

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71          195          200          205
73 Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu Leu Arg Pro Trp
74      210      215      220
76 Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu Cys Asp Ile Pro
77 225      230      235      240
79 Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys Leu
80      245      250      255
82 Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser
83      260      265      270
85 Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn
86      275      280      285
88 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
89      290      295      300
91 Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn Ser
92 305      310      315      320
94 Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys Asp Ser Ser Pro
95      325      330      335
97 Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro Glu Leu Thr Pro
98      340      345      350
100 Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly Thr
101      355      360      365
103 Ser Ser Thr Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser Met
104      370      375      380
106 Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala Gly
107 385      390      395      400
109 Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro Trp
110      405      410      415
112 Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu Lys
113      420      425      430
115 Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Val Val
116      435      440      445
118 Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe Gly
119      450      455      460
121 Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly Thr
122 465      470      475      480
124 Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg His Ser Ile Phe
125      485      490      495
127 Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys Asn Tyr Cys Arg
128      500      505      510
130 Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn Pro
131      515      520      525
133 Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys Ala Ala Pro Ser
134      530      535      540
136 Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys Cys Pro Gly Arg
137 545      550      555      560
139 Val Val Gly Gly Cys Val Ala His Pro His Ser Trp Pro Trp Gln Val
140      565      570      575
142 Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly Gly Thr Leu Ile
143      580      585      590

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145 Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu Glu Lys Ser Pro
146      595      600      605
148 Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His Gln Glu Val Asn
149      610      615      620
151 Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu Glu
152 625      630      635      640
154 Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala Val
155      645      650      655
157 Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr Val
158      660      665      670
160 Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr Gln
161      675      680      685
163 Gly Thr Phe Gly Ala Gly Leu Lys Glu Ala Gln Leu Pro Val Ile
164      690      695      700
166 Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val Gln
167 705      710      715      720
169 Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser Cys
170      725      730      735
172 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys Tyr
173      740      745      750
175 Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro Asn
176      755      760      765
178 Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val Thr Trp Ile Glu
179      770      775      780
181 Gly Val Met Arg Asn Asn
182 785      790
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194 <400> SEQUENCE: 2
195 Pro Arg Lys Leu Tyr Asp Lys
196 1 5
199 <210> SEQ ID NO: 3
200 <211> LENGTH: 12
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206 Peptide
208 <400> SEQUENCE: 3
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210 1 5 10
213 <210> SEQ ID NO: 4
214 <211> LENGTH: 24
215 <212> TYPE: PRT

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226 Pro Arg Lys Leu Tyr Asp Tyr Lys
227           20
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233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
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241   1             5             10
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255   1             5
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269   1             5             10
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297   1           5           10           15
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300           20
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313 Arg Lys Leu Tyr Asp Tyr Lys
314   1           5
317 <210> SEQ ID NO: 11
318 <211> LENGTH: 6
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328   1           5
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338     Peptide
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342   1           5
345 <210> SEQ ID NO: 13
346 <211> LENGTH: 6
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350 <220> FEATURE:
351 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/623,543

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TIME: 07:42:06

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Output Set: N:\CRF3\04252001\I623543.raw

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date